



**Biomedical
Equipment Repair
Technician
8479 Basic
8478 Advanced**

EVERY DAY,
IT TAKES
1,398,958
MEN AND WOMEN
TO RAISE
THIS FLAG.



BMEI TRAINING FACILITY



- INAUGURATION IN FEB 1998
 - \$22M FACILITY
 - 96,000K+ sq. ft / 2 Bldgs
- “STATE OF THE ART” EQUIPMENT
- CONDUCTED IN WICHITA FALLS , TEXAS AT SHEPPARD AIR FORCE BASE

SHEPPARD AFB

LOCATED : WICHITA FALL, TEXAS
2 HRS NORTH OF DALLAS & 2 HRS SOUTH OF
OKLAHOMA CITY
JUST 15 MIN FROM OKLAHOMA/TEXAS STATE LINE
IN "TORNADO ALLEY"



MISSION

TO CONDUCT TRI-SERVICE EDUCATION
AND TRAINING FOR NAVY BIOMEDICAL
EQUIPMENT TECHNICIANS IN ORDER TO
ENHANCE OPERATIONAL READINESS OF
THE ARMED FORCES OF THE UNITED
STATES

NEC-8479 (Basic)

Hospital Corpsmen in pay-grades E-3 through E-5 Curriculum requires the student to perform mathematical calculations. High school or college algebra with a grade of “C” or better and/or completion of NAVEDTRA 10069-D series (Mathematics, volume 1) is required. Must complete the following NEETS modules with a grade of 3.0 or better:

- Intro to Matter Energy and Direct Current (Module 1)
- Intro to Alternating Current and Transformers (Module 2)

Must have normal color vision.

BIO MEDICAL EQUIPMENT TECHNICIAN

- **BASIC COURSE**
 - CURRICULUM
 - 41 WEEKS - 12 blocks of instruction
 - MAXIMUM CLASS SIZE: 20
 - CLASS LOAD EVERY 10 DAYS
 - 22 classes p/yr

NEC 8479 - Applications

In this school we train and qualify personnel to inspect, install, calibrate, repair, and maintain electrical and non-electrical, deployable medical units, medical electronic systems and x-ray equipment, emphasizing circuit board level repair, to meet the needs of the operational forces. Additionally we provide instruction on installation, calibration, repair, and maintenance of medical and dental equipment with an emphasis on field equipment; proper diagnosis and repair of malfunctioning general medical and dental equipment items, training on basic medical and dental x-ray and laboratory equipment.

BMET BASIC (8479) SCHOOL SPECIFICATIONS

Block 1 – Basic Skills

Block 2 – Basic Electronic Theory

Block 3 – Basic Digital Theory

Block 4 – Dental and Sterilizer Systems

Block 5 – General Medical Equipment

Block 6 – Respiratory Equipment

BMET BASIC SCHOOL SPECIFICATIONS

Block 7 – Cartographic Diagnostic Equipment

Block 8 – Clinical Laboratory Systems

Block 9 – Diagnostic Imaging I

Block 10 – Diagnostic Imaging II

Block 11 – Advanced Electronic Theory & Field

Support Training

Block 12 – Service Specific

NEC-8478 (Advanced)

Hospital Corpsmen in pay-grades E5 and E6 with a prerequisite minimum of two years experience in NEC HM-8479. Must complete the following NEETS modules with a grade of 3.0 or better:

- Intro to Generators and Motors (Module 5)

- Intro to Solid-State Devices and Power Supplies (Module 7)
- Intro to Amplifiers (Module 8)

- Intro to Number System and Logic Circuits (Module 13)

- Intro to Digital Computers (Module 22)

- Magnetic Recording (Module 23)

- Intro to Fiber Optics (Module 24)

BIO MEDICAL EQUIPMENT TECHNICIAN

- **ADVANCED COURSE**
 - CURRICULUM: 27 WEEKS - 7 blocks of instruction
 - MAXIMUM CLASS SIZE: 16

NEC 8478 (Advanced)- Applications

This school provides personnel with the knowledge and skills required for the installation, inspection, maintenance, trouble shooting, repair, calibration and adjustment of complex biomedical electronic systems, x-ray equipment, and the management skills essential for maintenance activity supervision. The course includes advanced electronics theory, maintenance management, preventive maintenance, troubleshooting, testing, and calibration of complex medical equipment such as x-ray apparatuses, diagnostic lab instruments, and patient monitoring systems. College credits are awarded through affiliation with registered college.

BMET ADVANCED SCHOOL SPECIFICATIONS

- **Block 1** – Advanced Computer Based Systems
- **Block 2** – Advanced Laboratory Equipment
- **Block 3** – Advanced Lasers and Ultrasound
- **Block 4** – Advanced Medical Imaging
- **Block 5** – Pre-procurement and Acceptance
- **Block 6** – Networking and Telemedicine
- **Block 7** – JACHO / AAMI Standards and Shop Management.

Duty Stations in CONUS

- **NACC PTSMTH NH**
- **NMC ANNAPOLIS MD**
- **NXDIVU PANCTY F**
- **NNMC BETHESDA**
- **NMEDCEN PTSMOUTH**
- **NH PENSACOLA FL**
- **NHOSP GLAKES**
- **NAVHOSP JAX FL**
- **NH CORPUS CHRIST**
- **BRMCL WPNS CONC**
- **BMEDCL NAEC LKHU**
- **BRMCL Key West FL**
- **BRMEDCL ALBANY G**
- **NHOSP 29 PALMS**
- **BLOUNT ISL COMD**
- **NMCL KINGS BAY G**
- **NH BEAUFORT**
- **NENVIRHLTC NORVA**
- **S NSHS BETH DET**
- **NH CHERRY POINT**
- **NH LEMOORE**
- **NH OAK HARBOR WA**
- **NH PATUXENT RIV**
- **NMC PT HUENEME**
- **NH GROTON CT**
- **S EEAP MT S JAC**
- **NAVMEDLOGCOM MD**
- **SUPSHP PASGLA M**
- **MRESCHINST BETHA**

Duty Stations Overseas & Sea Duty

- **NH SIGONELLA, ITALY**
- **NH ROOS RD PR**
- **NH NAPLES ITALY**
- **NH ROTA SPAIN**
- **NH KEFLAVIK ICELAND**
- **NH GUANTANAMO CUBA**
- **NH GUAM MI**
- **NH YOKOSUKA JAPAN**
- **NH OKINAWA**
- **NMC HAWAII**
- **NSP MTEC SHORE**
- **FLT HOSP OTC PEN**
- **NMC LONDON PIRMAS**
- **NMRSCHU 3 CAIRO**
- **NMRSCHU 2 JAK IN**
- **C/B RSP FORCE**
- **NSUPFAC D GARCI**
- **1ST FSSG FMFPAC**
- **2D FSSG FMF LANT**
- **3D FSSG FMFPAC**
- **4TH FSSGMLC4SBN**

Duty Stations at Sea

- T-AH 19 MERCY
- T-AH 20 COMFORT
- LCC 19 B RIDGE
- LHA 1 TARAWA
- LHA 2 SAIPAN
- LHA 3 BELL WDS
- LHA 4 NASSAU
- LHA 5 PELELIU
- LHD 1 WASP
- LHD 2 ESSEX
- LHD 3 KEARSARGE
- LHD 4 BOXER
- LHD 5 BATAAN
- LHD 6 B RICHARD
- LPH 9 GUAM
- CV 63 KITTY HAWK
- CV 64 CONSTELLATION
- CV 67 JF KENNEDY
- CVN 65 ENTERPRISE
- CVN 68 NIMITZ
- CVN 69 EISENHOWER
- CVN 70 C VINSON
- CVN 71 T ROOSEVELT
- CVN 72 A LINCOLN
- CVN 73 GEO WASHINGTON
- CVN 74 JC STENNIS
- CVN 75 HS TRUMAN
- CVN 76 R REAGAN

Availability

- Submit packages through your Career Counselor.
- 22 class starts per year for Basic
- 4 class starts per year for Advanced
- SRB Eligible

WHY BECOME AN 8479 / 8478?

- The chance to make a difference.
- Challenging Sea Duty as a BMET, usually working independently.
- There is a great responsibility, but with it comes the chance to prove yourself and stand out among your peers!



STERILIZER REPAIR

TELEMEDICINE / PACS



X-ray Repair



Portable X-ray Repair



Dental Chair Installation



For more information, see
your Local Biomedical
Equipment repair staff or
contact the BMET Enlisted
Technical Leader at DSN:
494-5269

E-mail:

Collinsgb@pnw.med.navy.mil